

Title (en)

RING BODY, PIPE FITTING, AND METHOD FOR JOINING PIPES

Title (de)

RINGKÖRPER, ROHRVERBINDUNG UND VERFAHREN ZUM VERBINDEN VON ROHREN

Title (fr)

CORPS ANNULAIRE, RACCORD DE TUYAU ET PROCÉDÉ DE RACCORDEMENT DE TUYAUX

Publication

**EP 4043772 A4 20221116 (EN)**

Application

**EP 20876654 A 20201005**

Priority

- JP 2019190624 A 20191018
- JP 2020037731 W 20201005

Abstract (en)

[origin: EP4043772A1] A ring body 31, provided in a pipe fitting 1 in which an insertion port projecting portion 15 engages with a locking ring 8 from the rear side of a reception port 3, in a direction A separating from an insertion port 5, thereby making it possible to prevent the insertion port 5 separating from the reception port 3, includes a main body portion 32 provided in the pipe fitting 1 by being inserted between the inner circumferential surface of the reception port 3 and the outer circumferential surface of the insertion port 5, and a displacement stopping member 33 which prevents the main body portion 32 being displaced toward the open end side of the reception port 3, wherein the main body portion 32 reduces displacement, in the pipe radial direction, between the pipe axis of a first pipe 4 and the pipe axis of a second pipe 2 by moving the insertion port 5 in the pipe radial direction relative to the reception port 3.

IPC 8 full level

**F16L 21/08** (2006.01); **F16L 21/04** (2006.01)

CPC (source: CN EP US)

**F16L 21/035** (2013.01 - US); **F16L 21/04** (2013.01 - EP US); **F16L 21/08** (2013.01 - CN EP US)

Citation (search report)

- [X] JP H07260059 A 19951013 - KUBOTA KK
- [X] JP 4781220 B2 20110928
- [A] US 10018290 B2 20180710 - KISHI SHOZO [JP], et al
- See also references of WO 2021075297A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4043772 A1 20220817**; **EP 4043772 A4 20221116**; **EP 4043772 B1 20240612**; CA 3153455 A1 20210422; CN 114502864 A 20220513; CN 114502864 B 20240430; JP 2021067282 A 20210430; JP 7382203 B2 20231116; SA 522432278 B1 20230208; TW 202129186 A 20210801; US 2024019055 A1 20240118; WO 2021075297 A1 20210422

DOCDB simple family (application)

**EP 20876654 A 20201005**; CA 3153455 A 20201005; CN 202080070428 A 20201005; JP 2019190624 A 20191018; JP 2020037731 W 20201005; SA 522432278 A 20220417; TW 109135335 A 20201013; US 202017769099 A 20201005